

maXpeedingrods MZ60DP

maXpeedingrods Coilovers Instruction Manual

Model: MZ60DP | Brand: maXpeedingrods

1. INTRODUCTION

This manual provides essential information for the installation, adjustment, operation, and maintenance of your maXpeedingrods Coilovers. These coilovers are designed to enhance the performance and handling of your vehicle, offering adjustable damping and ride height.

Application:

- For Nissan Sentra SE-R B15 (2000-2006)
- For Nissan Sunny N16 (2000-2006)

Please read this manual thoroughly before installation and use to ensure proper function and safety.



Image: Complete maXpeedingrods Coilover Kit, including four coilover units and two spanner wrenches for adjustment.

2. KEY FEATURES

The maXpeedingrods Coilovers are engineered with several advanced features for optimal performance and durability:

- **24 Rebound Damping Force Levels:** Allows precise tuning of the suspension system for various driving conditions, from comfortable cruising to aggressive track use.
- **High Tensile Springs:** Front: 10 kg/mm (560 lbs/in), Rear: 7 kg/mm (392 lbs/in). Tested for over 600,000 continuous cycles with less than 0.04% distortion, ensuring long-term performance.
- **Adjustable Height:** Provides 1-3 inches of height adjustment (does not maintain original ride height), enabling a more aggressive stance and improved steering response.
- **Excellent Material Construction:** Features 6061 aluminum alloy with T6 treatment for increased hardness, high-quality precision parts, and overall high strength and durability.
- **Rubber Top Mount:** Designed for light weight and reduced noise during operation.
- **Full-Length Dust Boot:** Protects the shock absorber shaft from dust and debris, extending the lifespan of the unit.

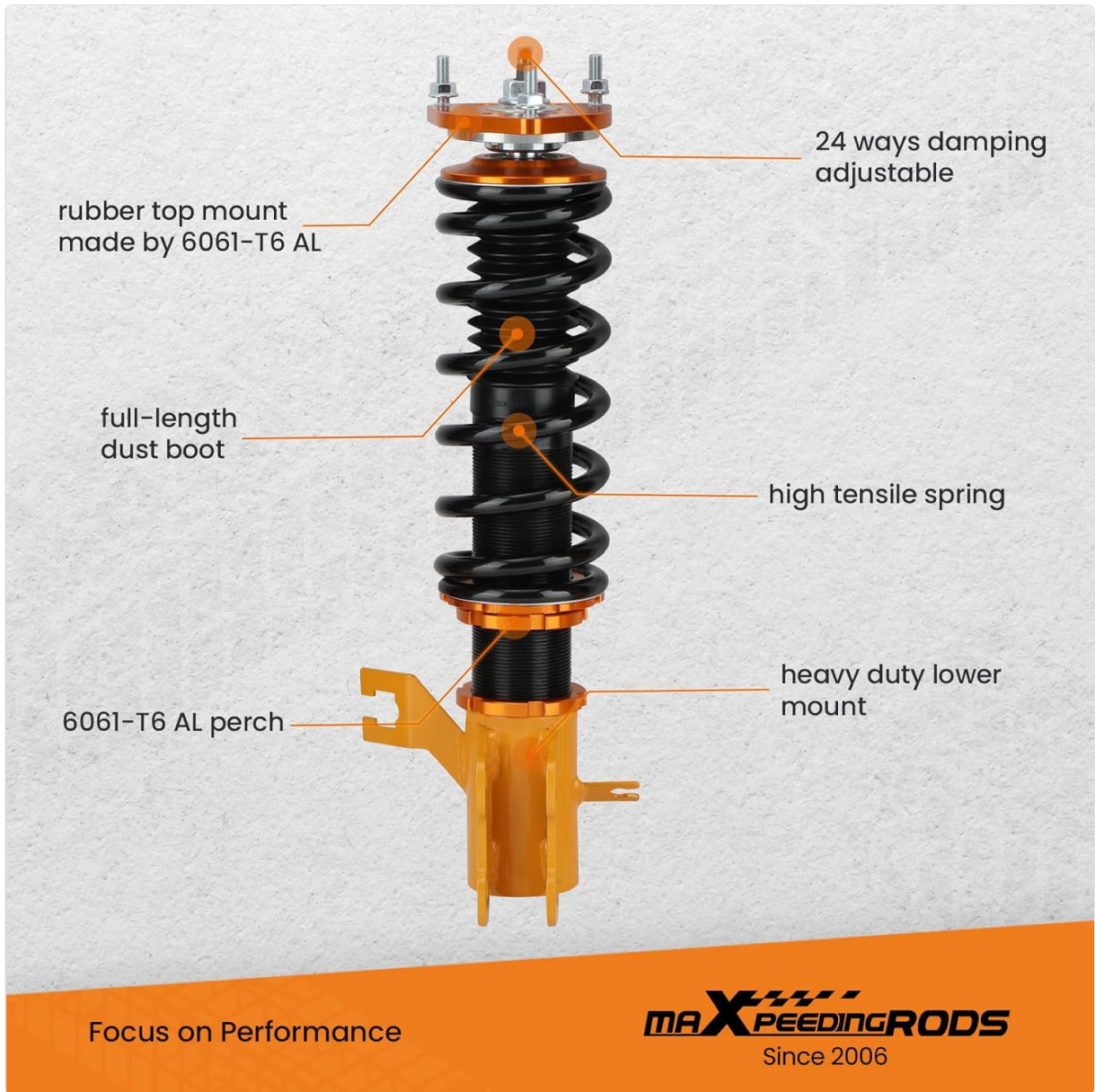


Image: Detailed diagram illustrating key components of the coilover, including the rubber top mount, 24-way damping adjustment, full-length dust boot, high tensile spring, and heavy-duty lower mount.

FULL LENGTH DUST BOOT

keep dust away



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Image: Close-up view of the full-length dust boot, designed to protect the internal components from contaminants.

HIGH TENSILE SPRING

over 600,000 times, but 0.04% distortion



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Image: Two high tensile springs, highlighting their robust construction and minimal distortion after extensive testing.

3. INSTALLATION GUIDELINES

Important: Installation of coilovers requires specialized tools and automotive knowledge. It is highly recommended that installation be performed by a qualified professional mechanic to ensure safety and proper function. Incorrect installation can lead to vehicle damage, poor handling, and serious injury.

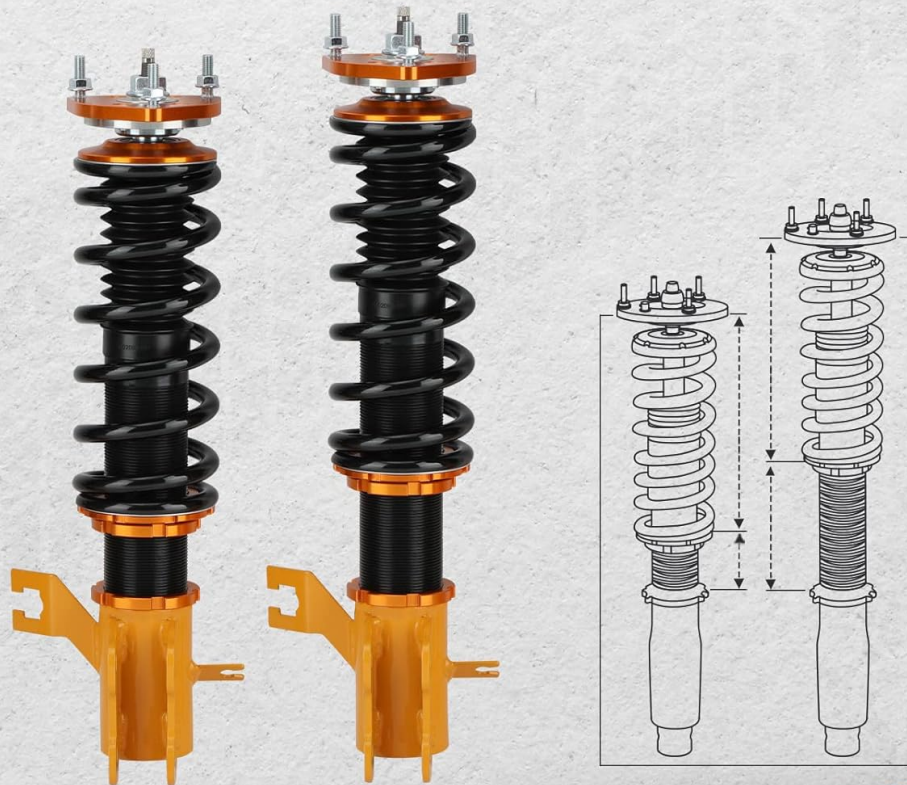
General Steps (Professional Installation Recommended):

1. **Preparation:** Safely lift and support the vehicle. Remove wheels and access the existing suspension components.
2. **Removal of Old Suspension:** Carefully disconnect and remove the OEM shock absorbers and springs.
3. **Initial Coilover Assembly:** Ensure all components of the new coilover unit are securely fastened. Set initial ride height and damping settings as a baseline.
4. **Installation of New Coilovers:** Mount the maXpeedingrods coilovers into the vehicle's suspension points, ensuring all bolts are torqued to manufacturer specifications.
5. **Final Checks:** Re-install wheels. Lower the vehicle and perform a bounce test to check for proper seating.

6. **Wheel Alignment:** After installation, a professional wheel alignment is mandatory to correct camber, caster, and toe settings, which are affected by changes in ride height. Failure to do so can result in uneven tire wear and unsafe handling.

FULL LENGTH HEIGHT ADJUSTMENT

performance and lower stance



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Image: Illustration demonstrating the full-length height adjustment capability of the coilovers, allowing for a lower stance.

4. ADJUSTMENT AND OPERATION

4.1. Damping Adjustment (24 Levels)

The coilovers feature 24 levels of rebound damping force adjustment, allowing you to fine-tune your suspension for various driving preferences and conditions. The adjustment knob is typically located at the top of the coilover shaft.

- **Full Soft:** For a comfortable ride, suitable for daily driving on uneven roads.
- **16 Clicks (from full soft):** Recommended for more spirited driving, offering a balance of comfort and performance.
- **Full Stiff:** Ideal for occasional track days or aggressive driving, providing maximum responsiveness and minimal body roll.

Turn the adjustment knob clockwise for stiffer damping and counter-clockwise for softer damping. Ensure all four coilovers are set to the same damping level for balanced handling.

24 ways damping
adjustable



rubber top
mount

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Image: Close-up of the damping adjustment mechanism, showing the knob used to select one of the 24 damping levels.



Image: A composite image illustrating both the 24-level damper adjustment and the height adjustment mechanism of the coilovers.

4.2. Height Adjustment

The ride height can be adjusted using the threaded body of the coilover and the included spanner wrenches. This allows for a lowering of 1-3 inches from the original ride height.

1. Loosen the locking collar using the spanner wrench.
2. Rotate the main spring perch to raise or lower the vehicle.
3. Once the desired height is achieved, tighten the locking collar securely.

Note: Always adjust both sides of an axle equally to maintain balance. After any significant height adjustment, a professional wheel alignment is crucial.

5. MAINTENANCE AND CARE

Regular maintenance will prolong the life and performance of your maXpeedingrods Coilovers:

- **Regular Inspection:** Periodically inspect the coilovers for any signs of damage, leaks, loose bolts, or excessive wear on bushings and dust boots.
- **Cleaning:** Keep the coilover bodies clean, especially the threaded sections, to prevent dirt and debris from hindering height adjustments or causing corrosion. Use mild soap and water.
- **Lubrication:** Apply a thin layer of anti-seize compound to the threaded sections during initial installation and periodically thereafter to ensure smooth height adjustments and prevent seizing.
- **Torque Checks:** Re-check the torque of all mounting bolts after the first 500 miles of driving and then periodically as part of your vehicle's routine maintenance.

6. TROUBLESHOOTING

If you encounter issues with your coilovers, consider the following basic troubleshooting steps:

- **Unusual Noises (Clunking/Squeaking):**

- Check all mounting bolts for proper torque.
 - Inspect bushings for wear or damage.
 - Ensure springs are properly seated and not binding.
- **Uneven Ride Height:**
 - Verify that height adjustment collars are set equally on both sides of an axle.
 - Ensure the vehicle is on a level surface when measuring.
- **Poor Handling/Steering Issues:**
 - Confirm damping settings are consistent across all four coilovers.
 - Ensure a professional wheel alignment has been performed after installation or significant height adjustments.
- **Fluid Leaks:**
 - Any visible fluid leaking from the shock body indicates a seal failure. This requires professional inspection and likely replacement of the unit.

If issues persist after basic troubleshooting, consult a professional mechanic or contact maXpeedingrods customer support.

7. SPECIFICATIONS

Attribute	Value
Manufacturer	maXpeedingrods
Brand	maXpeedingrods
Item Weight	58 pounds
Product Dimensions	25.31 x 20 x 8.07 inches
Manufacturer Part Number	MZ60DP
ASIN	B0DW421DVW
Date First Available	February 5, 2025
Front Spring Rate	10 kg/mm (560 lbs/in)
Rear Spring Rate	7 kg/mm (392 lbs/in)
Damping Levels	24 Rebound Damping Force Levels
Height Adjustment Range	1-3 inches lowering

8. WARRANTY AND SUPPORT

maXpeedingrods offers a 30-day easy return policy for this product. For any technical assistance, warranty claims, or further inquiries, please contact maXpeedingrods customer support directly. You can often find

support contact information on the official maXpeedingrods website or through your purchase platform.

Visit the [maXpeedingrods Store on Amazon](#) for more information and products.

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